

Figure 1

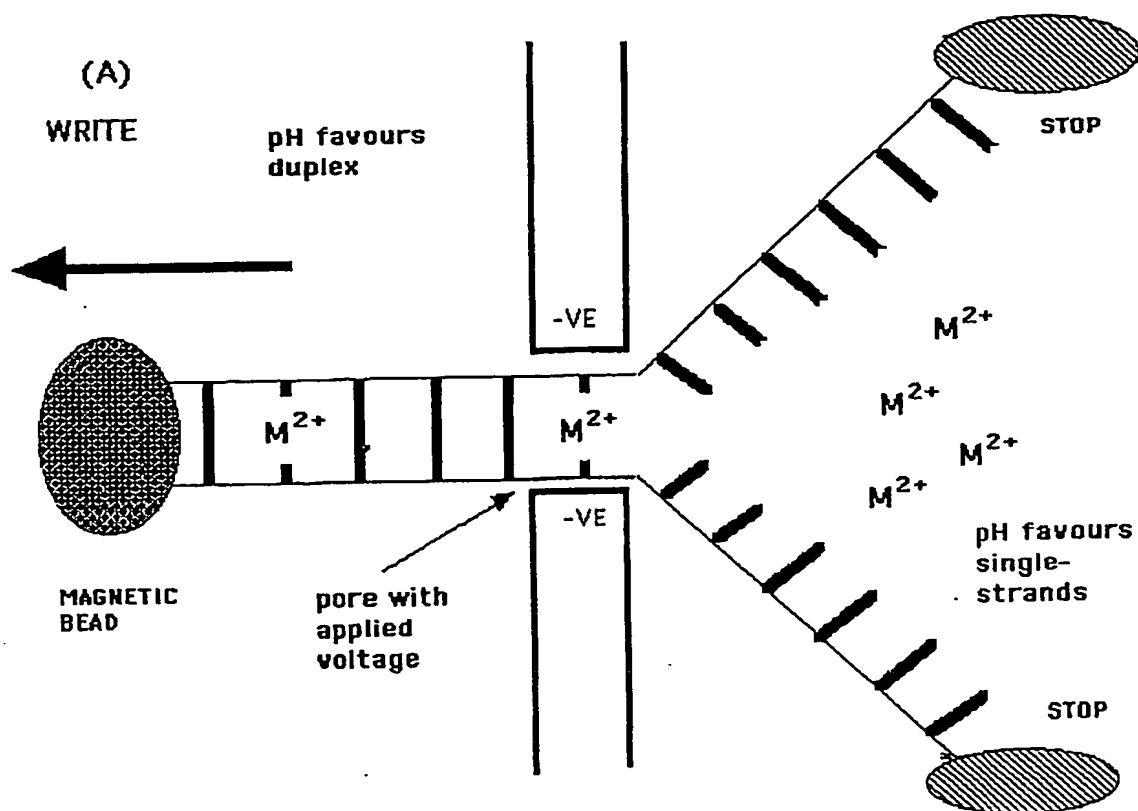


Figure 2

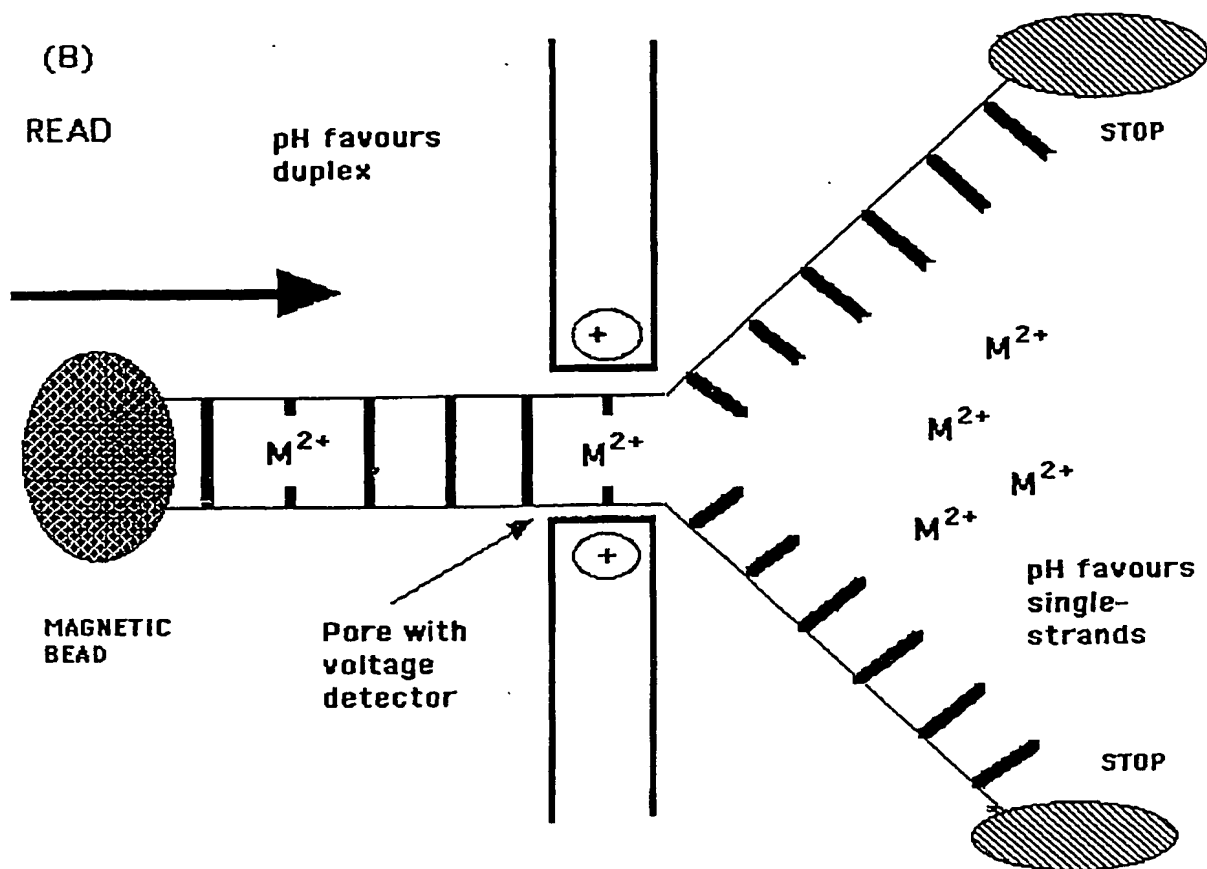
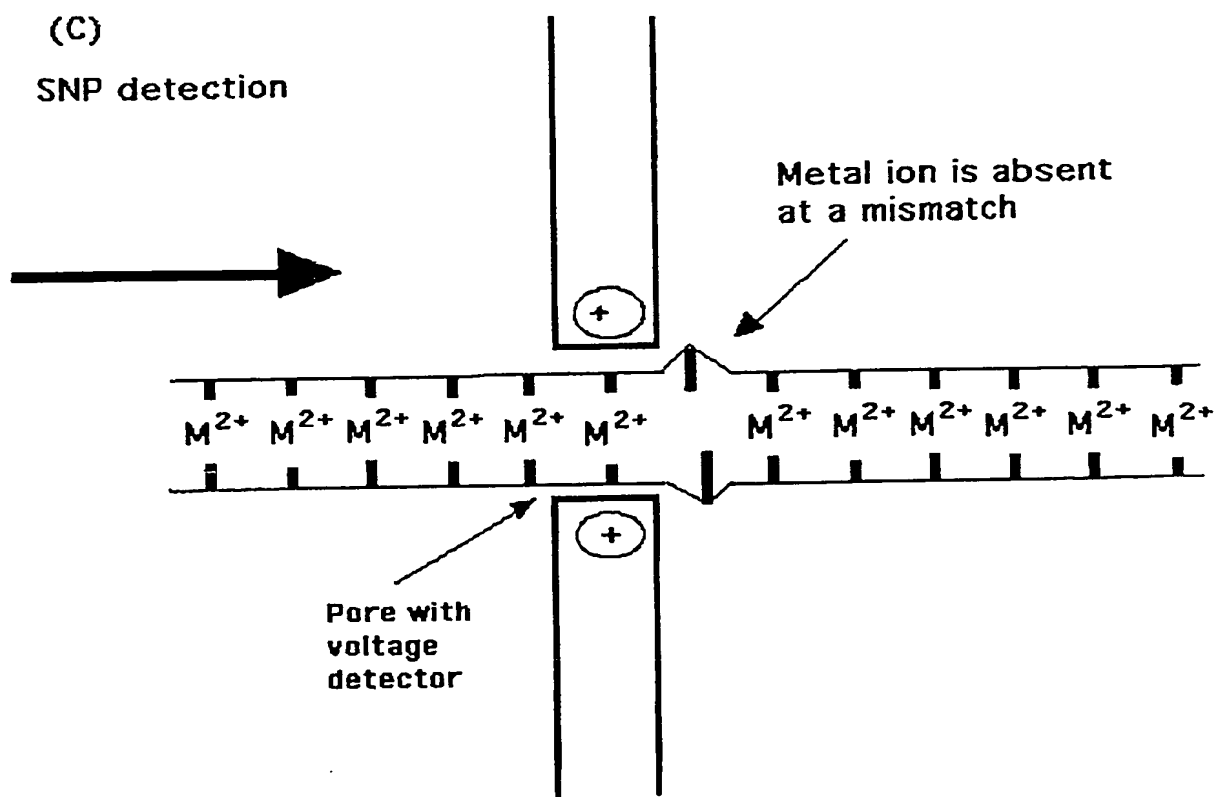


Figure 3



## Multiplexing:

Length	Position	Mutation
20	10 or 11	cystic fibrosis
20	9 or 12	Tay Sach's
20	8 or 13	Muscular dystrophy
21	11	Hemophilia A
21	10 or 12	Hemophilia B
etc.		

Since the orientation of any duplex is unknown then e.g. position 10 and 11 for a 20-mer cannot be distinguished.

Figure 4

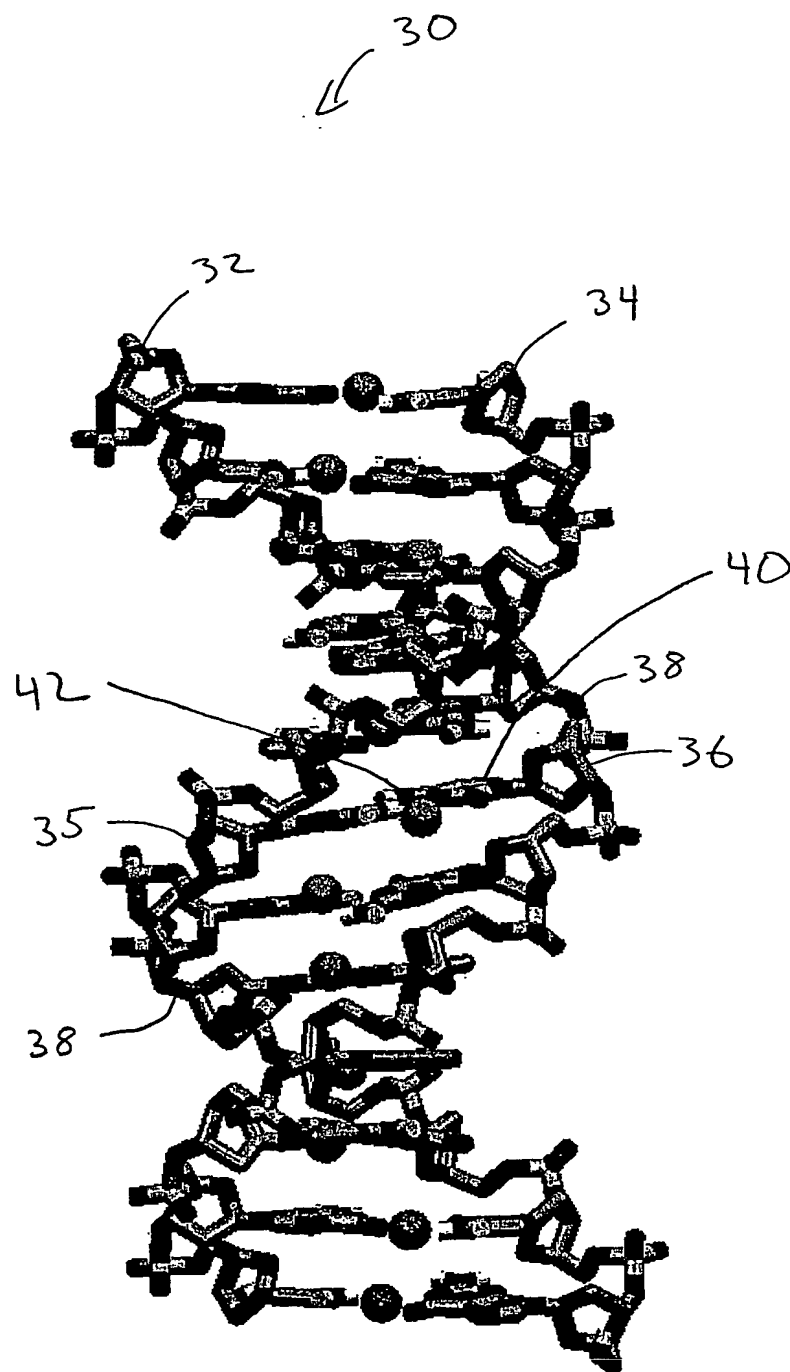
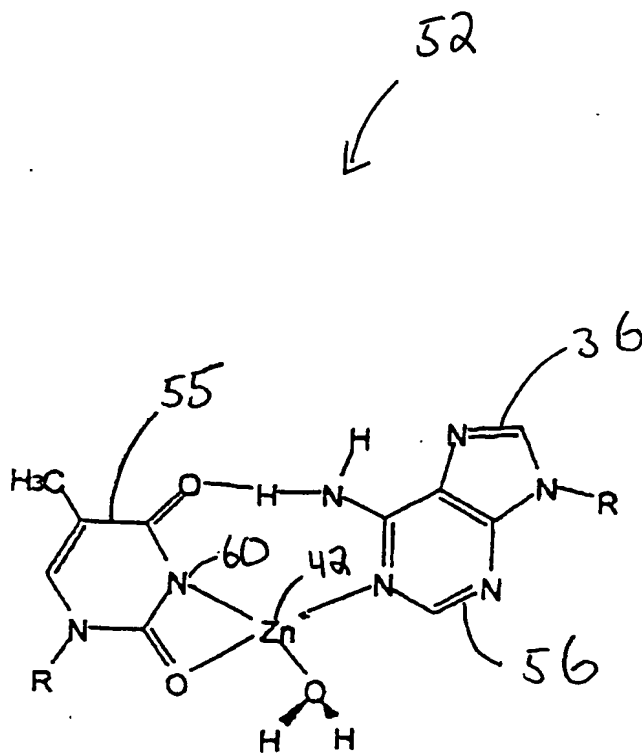
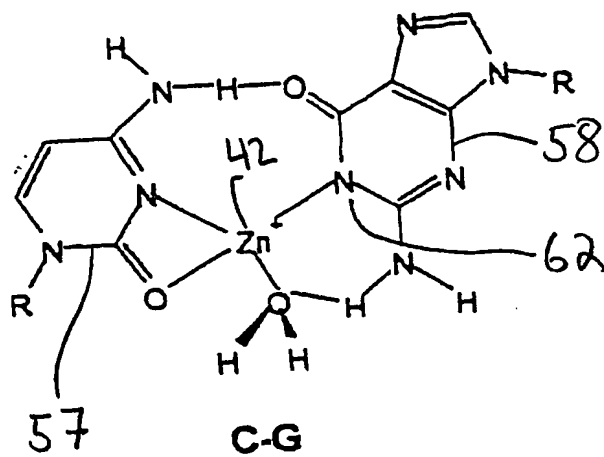


FIGURE 5



T-A

FIGURE 6

54  
↙

## FIGURE 7

	Thread	Recognition Sequence	Thread	$T_m$ (°C) <sup>†</sup>
<b>Guide</b>	3' - (AAAA) <sub>5</sub>	CCTTAAGTAC	-(AAAA) <sub>5</sub> - 5'	
<b>Match</b>		5' - GGAATTCATG - 3'		<b>42.6</b>
<b>MM1</b>		5' - GGACTTCATG - 3'		<b>33.0</b>
<b>MM2</b>		5' - GGACATCATG - 3'		<b>23.3</b>
<b>MM3</b>		5' - GGACAACATG - 3'		<b>11.6</b>
<b>Control</b>		5' - GTACTTAAGG - 3'		<b>&lt;0</b>

FIGURE 8

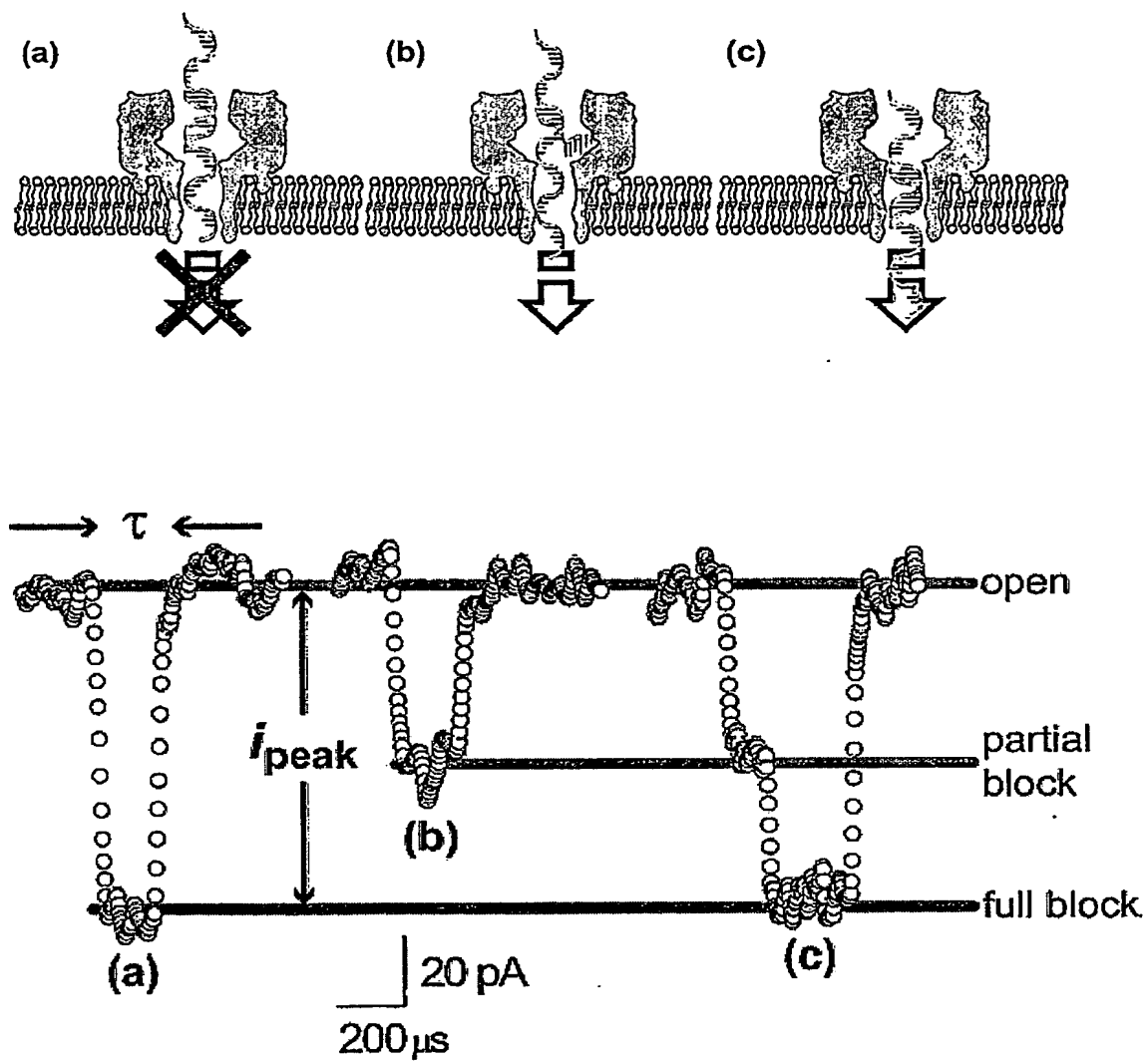




FIGURE 9

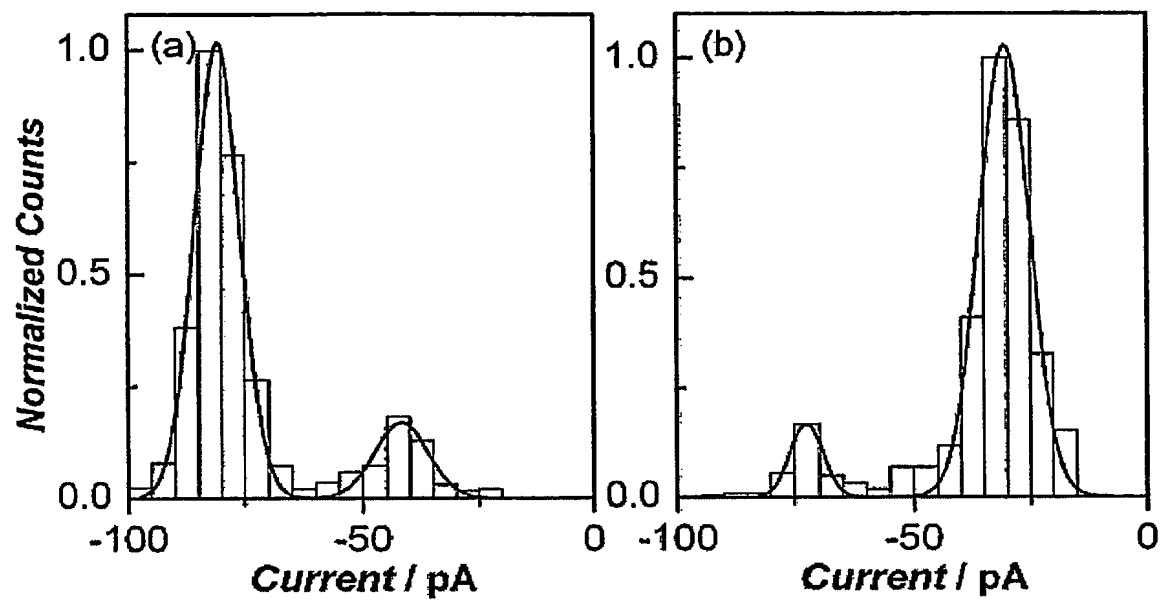


FIGURE 10

